AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS:

- 1. 34. (Cancelled)
- 35. (Currently Amended) A method for the treatment of an aqueous system containing or in contact with a metal sulfide scale while concomitantly inhibiting the corrosion of surfaces in contact with said aqueous system, said method comprising:

the step of adding to said aqueous system a scale and corrosion inhibiting amount of a formulation as defined in Claim 24 an anti-corrosion and anti-metal sulfide scale formulation comprising a THP⁺ salt and a primary, secondary or tertiary alcohol having an acetylenic bond in the carbon backbone.

- 36. (Previously Presented) The method according to Claim 35 wherein the aqueous system is used in enhanced oil recovery.
- 37. (Previously Presented) The method as claimed in Claim 35 wherein the aqueous system is used in industrial water systems or paper manufacturing systems.
- 38. (Previously Presented) The method as claimed in Claim 35 wherein the THP⁺ salt is added to the aqueous system in an effective amount of up to 30% by weight.
 - 39. 42. (Cancelled)
- 43. (New) The method according to Claim 35, wherein the acetylenic bond is adjacent to the hydroxyl group, said alcohol having the general formula (I):

$$R^1 C \equiv C C R^2 R^3 OH$$
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wherein:

 R^1 , R^2 and R^3 being the same or different, each independently represent hydrogen, C_1 to C_8 alkyl or functionally-substituted alkyl.

- 44. (New) The method according to Claim 43, wherein R^1 , R^2 and R^3 each independently represent hydrogen or C_1 to C_8 alkyl.
- 45. (New) The method according to Claim 44, wherein the alcohol is propargyl alcohol.
- 46. (New) The method according to Claim 35 wherein the metal sulfide scale is iron sulfide, lead sulfide or zinc sulfide.
- 47. (New) The method according to Claim 35, wherein the THP⁺ salt comprises an anion selected from the group consisting of sulphate, chloride, phosphate, bromide, fluoride, carbonate, citrate, lactate, tartrate, borate, silicate, formate and acetate.
- 48. (New) The method according to Claim 35, wherein the formulation further comprises a surfactant.
- 49. (New) The method according to Claim 48, wherein the surfactant is a cationic surfactant.
- 50. (New) The formulation as claimed in Claim 49, wherein the cationic surfactant is selected from the group consisting of quaternary ammonium compounds, N-alkylated heterocyclic compounds, quaternised amido-amines, and amino methane phosphonates.
- 51. (New) The formulation as claimed in Claim 48 wherein the surfactant is selected from the group consisting of anionic, amphoteric and non-ionic surfactants.
- 52. (New) The method according to Claim 35 is for treating corrosion of mild steel, copper or aluminum.
- 53. (New) The method according to Claim 35, wherein a ratio of the THP⁺ salt to the acetylenic alcohol is between 1:1 and 750:1.

- 54. (New) The method according to Claim 53, wherein the ratio is between 15:1 and 300:1.
 - 55. (New) The method according to Claim 54, wherein the ratio is about 40:1.
- 56. (New) A method for the treatment of an aqueous system containing or in contact with a metal sulfide scale while concomitantly inhibiting the corrosion of surfaces in contact with said aqueous system, said method comprising:

adding to said aqueous system a scale and corrosion inhibiting amount of an anti-corrosion and anti-metal sulfide scale formulation consisting essentially of the reaction product of a THP⁺ salt and a primary, secondary or tertiary alcohol having an acetylenic bond in the carbon backbone with a ratio of said THP⁺ salt and said acetylenic alcohol of between 1:1 and 750:1.

57. (New) A method for the treatment of an aqueous system containing or in contact with a metal sulfide scale while concomitantly inhibiting the corrosion of surfaces in contact with said aqueous system, said method comprising:

adding to said aqueous system a scale and corrosion inhibiting amount of an anti-corrosion and anti-metal sulfide scale formulation consisting essentially of the reaction product of a THP⁺ salt and propargyl alcohol, wherein a ratio of said THP⁺ salt and said propargyl alcohol is between 1:1 and 750:1.